

GOLD COLLOIDAL PARTICLE METHOD OF PREPARING THE SAME AND METHOD OF SELECTIVELY SCAVENGING GOLD ION

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PROBLEM TO BE SOLVED: To obtain new gold colloidal particles capable of controlling physical properties such as particle diameter and their dispersion and to provide a method of preparing the gold colloidal particle dispersion and further a new method of scavenging gold ions.

SOLUTION: The gold colloidal particles are composed of a thiocrown ether compound having a thiol group or a disulfide-bonding group in the ring and a part of the ring constituting atoms are sulfur atoms and gold. The gold colloidal particles are dispersed in an aqueous medium.

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